

## DECLARATION OF PERFORMANCE FOR A CONSTRUCTION PRODUCT

The undersigned, **Devorex PLC**, Plovdiv Region, 4109 Branipole, zone Chiirite 020G, ID: 202826557, represented by the CEO Dariusz Szlezak, hereby declares under sole responsibility that the product:

**ARCTIC – Polypropylene (PP-RC) fittings and pipes with  $c d_n$  10-63mm in contact with water for human consumption**

manufactured in **Production facility No. 1, Plovdiv Region, 4109 Branipole, zone Chiirite 020 G**, subject to this declaration, is produced under an established and maintained by the manufacturer production control system and conforms to the following Bulgarian and European standards and technical norms:

<b>EN ISO 15874-2:2013</b>	<b>Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 2: Pipes</b>
<b>EN ISO 15874-3:2013</b>	<b>Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 3: Fittings</b>
<b>TF "ARCTIC":2009</b>	<b>Technical File Devorex – System ARCTIC/2009</b>

The conformity assessment is performed based on the **Ordinance on the Essential Requirements of Construction Works and Conformity Assessment of Construction Products (System 1+)**. The present declaration is based on Certificate of Conformity No. 03 OERCWCACP – 223-2/30.03.2009 and No. 03 OERCWCACP – 223-1/30.03.2009 of the Research Institute of Building Materials (NIISM Ltd.). The Certificates attest a positive assessment of the initial type testing, production according to an audited production control system and performance of constant control (monitoring).

Designs and installations incorporating ARCTIC products are to be performed by qualified persons with strict adherence to the instructions of the Installation Manual for system "ARCTIC" of Devorex PLC, as well as all other applicable construction standards and regulations.

CEO Dariusz Szlezak

January 2016



## Appendix No. 1 to Declaration of performance for a construction product

Initial type testing (ITT) of:

**ARCTIC – Polypropylene (PP-RC) fittings and pipes with d<sub>n</sub> 10-63mm  
in contact with water for human consumption**

and conformity assessment of the products with the applicable norms is performed by the manufacturer, by its qualified personnel, or by laboratories with the required equipment and qualified personnel, according to testing protocols. The declared performance characteristics of the construction product are as follows:

Characteristics		Indicators	Test method	
<b>EN ISO 15874-2:2013</b>	<b>Polypropylene (PP-RC) pipes with d<sub>n</sub> 10-63mm</b>	Resistance to internal pressure	No bursting during the testing	EN ISO 1167-1, EN ISO 1167-2
		Longitudinal reversion	≤ 2 %	Method B from EN ISO 2505 (test in an air oven)
		Thermal stability by hydrostatic pressure testing	No bursting during the testing	EN ISO 1167-1, EN ISO 1167-2
		Impact resistance	< 10%	EN ISO 9854-1, EN ISO 9854-2
		Melt flow rate (of a compound)	≤ 0,5 g/10 min	EN ISO 1133-1
		Melt flow rate (of a pipe)	Maximum difference of 30% compared to the compound	EN ISO 1133-1
<b>EN ISO 15874-3:2013</b>	<b>Polypropylene (PP-RC) fittings</b>	Resistance to internal pressure	No bursting during the testing	EN ISO 1167-1, EN ISO 1167-3

CEO

Dariusz Szlezak



January 2016